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Commissioner of Mineral Resources and State Geologist

EXPLANATION

al
Alluvium
Dark-brown clayey sand and silt; locally, rounded stones common.

C
Colluvium
Angular cobbles and boulders in sand and clay matrix.

td₃
td₂
td₁
Terrace deposits
td₃, pebbles and cobbles of sandstone and quartzite in a sandy-clay matrix (low-level deposits); td₂, pebbles and cobbles of sandstone and quartzite in a sand matrix (medium-level deposits); td₁, pebbles, cobbles, and boulders of sandstone, quartzite, and conglomerate in a sand, silt, and clay matrix (high-level deposits).

Omb
Martinsburg Formation

Alternating thin, olive-green to gray shale and greenish-gray lithic sandstone; basal part is black, silty shale and scattered thin beds of black limestone.

Ore
Oranda Formation and Edinburg Formation

Oranda: coarse-grained siltstone. Edinburg: black, fissile shale; dark-gray, micrograined limestone; gray, cobble-bearing weathering.

Oln
Lincolnshire Formation and New Marke Limestone

Lincolnshire: gray, medium-grained limestone; bottom black, dark-gray, thin bed of light-colored thin-bedded right-gyrating coarse-grained bioclastic limestone. New Market: bluish to dove-gray, micritic limestone with impure limestone (upper part); carbonate pebble, cobble, and boulder conglomerate (lower part).

Or
Rockdale Run Formation

Gray, fine-grained limestone; dolomitic limestone, dolomite, and thin lenses of sandstone and chert.

Oar
Stonehenge Formation

Gray to black limestone.

Oco
Conococheague Formation

Gray, laminated dolomite and lesser amounts of dolomitic limestone and dolomite (upper part). Ribbonbed dolomite and dolomitic limestone with siliceous laminae; some dolomite and dolomite (middle part). Big Spring Station Member: dolomitic limestone, dolomite, and intraformational conglomerate (lower part).

Ce
Elbrook Formation

Yellow-weathering dolomite and blue, algal limestone (upper part). Gray limestone, dolomitic limestone, dolomite, and dolomitic shale (middle part). Green to greenish-gray dolomite, dolomitic limestone, dolomitic shale, and siltstone (lower part).

Cwd
Waynesboro (Rome) Formation

Maroon and gray shale and sandstone (upper part). Yellow fine-grained dolomite (middle part). Maroon, olive, or dark-gray shale; maroon to pale-orange sandstone, and gray limestone (lower part).

CS
Shady Formation
(In cross section B-B' only)

Ca
Antietam Formation

White quartzite, subarkosic quartzite, and quartzite and pebble conglomerate.

Chu
Harpers Formation

Chu, upper member: phyllite; q, quartzite; qn, lower member: sandy, feldspathic phyllite and metasedimentary sandstone.

CW
Weverton Formation

CW (in cross section D-D'): includes PC, D, S, ID, and DC.

PC, quartz-pebble conglomerate member; ferruginous, granular to pebbly quartz conglomerate; S, silty phyllite member; olive-gray, silty phyllite; ID, sandstone and dolomite sandstone; DC, subarkosic member; gray subarkosic phyllite; CW, laminated phyllite member; olive-gray phyllite; PC, pebble conglomerate member; clastic, clayey, sandy pebble conglomerate.

CpCc
Catoctin Formation

Greensite, epidote, phyllite, red argillite, meta-arkose, metadolomite, metagritic tuff, and flow breccia.

PcP
Polar Formation

Hypersthene granodiorite and quartzofeldspathic granite; g, greenish dikes.

Breccia

Fault breccia, angular blocks of sandstone cemented by iron oxide; Ironstone breccia, angular carbonate and siltstone clasts replaced and cemented by iron oxides and silica.

CONTACTS

Solid where exposed, dashed where approximate, dotted where covered or inferred.

FOLDS

Anticline—trace of fold and direction of plunge

Syncline—trace of fold and direction of plunge

Overturned anticline—trace of fold

Overturned syncline—trace of fold

FAULTS

Solid where exposed, dashed where approximate, dotted where covered or inferred; tick mark indicates direction of dip; U, upthrown side; D, downthrown side; T, upper sheet; arrow indicates direction of relative movement.

ATTITUDE OF ROCKS

/—Strike and dip of beds

X—Strike and dip of overturned beds

×—Strike of vertical beds

Horizontal beds

MINES, QUARRIES, AND PROSPECTS

* Active quarry

1. Shale quarry

2. Riverton Corporation quarry

3. Riverton Corporation quarry

4. Riverton Corporation quarry

5. Interstate Stone Corporation quarry (limestone)

6. Seibel Iron Mines, Inc. mine (iron)

7. Seibel Iron Mines, Inc. mine (iron)

8. Custer stone quarry

9. Gooney-Manor copper mine

10. Riverton Corporation quarry (limestone)

11. Riverton Corporation quarry (limestone)

12. Dimension stone quarry

13. Seibel Iron Mines, Inc. mine (iron)

14. Abandoned copper prospect

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